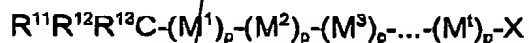
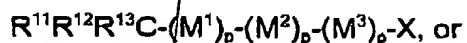


In the Claims

Please amend the following claims as follows:

17/ 84. (Amended) A (co)polymer, exhibiting a stereochemistry and microstructure, as defined by tacticity and sequence distribution, of a polymer formed by a free radical polymerization process and displaying a molecular weight distribution of less than 2.0 and calculable number average molecular weight, having the formula:



wherein X is selected from the group consisting of Cl, Br, I, OR¹⁰, SR¹⁴, SeR¹⁴, O-N(R¹⁴)₂, S-C(=S)N(R¹⁴)₂, H, OH, N₃, NH₂, COOH and CONH₂ and groups that can be formed therefrom by conventional chemical processes, where

R¹⁰ is an alkyl of from 1 to 20 carbon atoms in which each of the hydrogen atoms may be independently replaced by halide, R¹⁴ is aryl or a straight or branched C₁-C₂₀ alkyl group, and where an N(R¹⁴)₂ group is present, the two R¹⁴ groups may be joined to form a 5- or 6-membered heterocyclic ring,

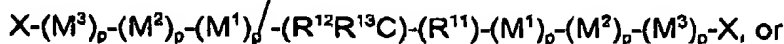
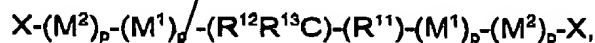
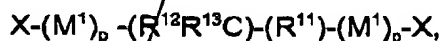
R¹¹, R¹² and R¹³ are each independently selected from the group consisting of H, halogen, C₁-C₂₀ alkyl, C₃-C₈ cycloalkyl, C(=Y)R⁵, C(=Y)NR⁶R⁷, COCl, OH, CN, C₂-C₂₀ alkenyl, C₂-C₂₀ alkynyl oxiranyl, glycidyl, aryl, heterocyclyl, aralkyl, aralkenyl, C₁-C₆ alkyl in which from 1 to all of the hydrogen atoms are replaced with halogen and C₁-C₆ alkyl substituted with from 1 to 3 substituents selected from the group consisting of C₁-C₄ alkoxy, aryl, heterocyclyl, C(=Y)R⁵, C(=Y)NR⁶R⁷, oxiranyl and glycidyl,

where Y is NR⁸, S or O;

where R^5 is an aryl or an alkyl of from 1 to 20 carbon atoms, alkoxy of from 1 to 20 carbon atoms, aryloxy or heterocycloxy; and R^6 and R^7 are independently H or alkyl of from 1 to 20 carbon atoms, or R^6 and R^7 may be joined together to form an alkylene group of from 2 to 5 carbon atoms, thus forming a 3- to 6-membered ring, such that no more than two of R^{11} , R^{12} and R^{13} are H, and R^8 is H, a straight or branched C_1 - C_{20} alkyl or aryl, and

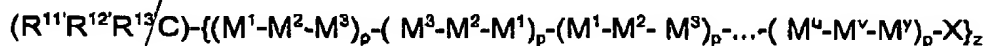
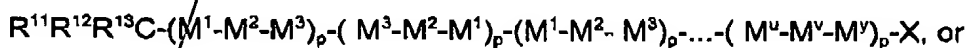
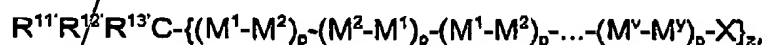
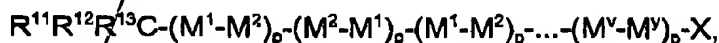
M^1 , M^2 , M^3 ,... up to M^t are each monomer units derived from radically (co)polymerizable monomer selected such that the monomers units in adjacent blocks are not identical, and t is an integer greater than 3; p for each block is independently selected such that the number average molecular weight of each block is up to 250,000 g/[mol]mol;

the following formulas:



wherein R^{11} , R^{12} , R^{13} , X , M^1 , M^2 , M^3 ,... up to M^t , t , and p are as defined above, with the proviso that R^{11} has a polymer chain as indicated attached thereto;

of the formulas:



wherein z is from 2 to 6, R^{11} , R^{12} , R^{13} and X are as defined above, and where R^{11} , R^{12}

and R^{13} are the same as R^{11} , R^{12} and R^{13} [z is from 2 to 6,] with the proviso that R^{11} , R^{12} and

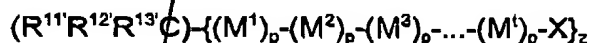
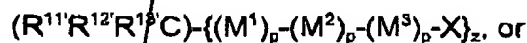
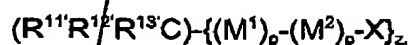
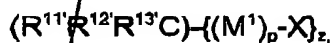
$R^{13'}$ combined have from 1 to 5 of the polymer chains enclosed in brackets attached thereto and the C has only one of the polymer chains enclosed in brackets attached thereto,

M^1 , M^2 and M^3 are monomer units derived from different radically-(co)polymerizable monomers, and M^u is one of M^1 or M^2 or M^3 and M^v is another of M^1 or M^2 or M^3 , and M^w is the third (co)monomer,

p for each block is independently selected such that the number average molecular weight of the copolymer is up to 1,000,000 g/mol; and,

(co)polymers of this topology comprising four or more comonomers, and.

of the formulas:

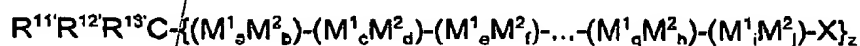
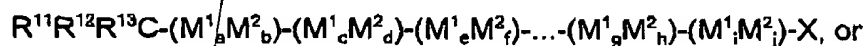


wherein z is from 3 to 6; $R^{11'}$, $R^{12'}$ and $R^{13'}$ are the same as R^{11} , R^{12} and R^{13} with the proviso that $R^{11'}$, $R^{12'}$ and $R^{13'}$ combined contain from 2 to 5 of the polymer chains enclosed in brackets attached thereto and the C has only one of the polymer chains enclosed in [square] brackets attached thereto, where X is as defined above;

M^1 , M^2 , M^3 , ... M^t , p, and t are as defined above; and

and copolymers comprising a block or graft with the above composition; and

of the formula:



where z is from 2 to 6, R^{11} , R^{12} , R^{13} are as defined above, M^1 and M^2 are as defined above and

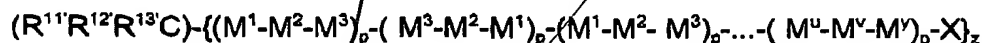
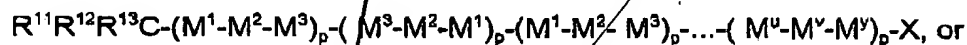
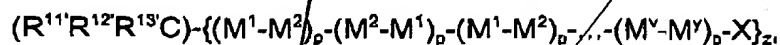
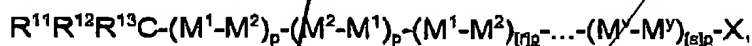
where $R^{11'}$, $R^{12'}$ and $R^{13'}$ are the same as R^{11} , R^{12} and R^{13} with the proviso that $R^{11'}$, $R^{12'}$ and $R^{13'}$

combined have from 1 to 5 of the polymer chains enclosed in brackets attached thereto and the

C has only one of the polymer chains enclosed in [square] brackets attached thereto, and

a, b, c, d, e, f, ... up to i and j are non-negative numbers independently selected such that $a + b = c + d = 100\%$, and any or all of $(e + f)$, $(g + h)$ and $(i + j) = 100\%$ or 0, wherein the a:b ratio is from 100:0 to 0:100, the c:d ratio is from 95:5 to 5:95, such that $c < a$ and $d > b$, and where applicable, the e:f ratio is from 90:10 to 10:90, such that $e < c$ and $f > d$, and the endpoints of the molar ratio ranges of first monomer to second monomer in successive blocks progressively decrease or increase by 5 such that the e:f ratio is from 5:95 to 95:5, such that $e \neq c$ and $f \neq d$, and the i:j ratio is from 0:100 to 100:0, such that $i \neq e$ and $j \neq f$.

65. (Amended) The (co)polymer of Claim [37] 64, having a formula:



wherein z is 2 to 6;

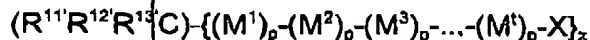
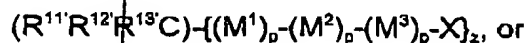
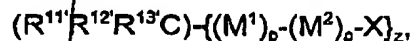
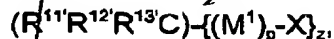
wherein R^{11} , R^{12} , R^{13} and X are as previously defined, and where $R^{11'}$, $R^{12'}$ and $R^{13'}$ are the same as R^{11} , R^{12} and R^{13} , with the proviso that $R^{11'}$, $R^{12'}$ and $R^{13'}$ combined have from 1 to 5 of the polymer chains enclosed in [square] brackets attached thereto and the C has only one of the polymer chains enclosed in [square] brackets attached thereto;

M^1 , M^2 and M^3 are monomer units derived from different radically-polymerizable or copolymerizable monomers, and M^u is one of M^1 , M^2 or M^3 and M^v is another of M^1 , M^2 or M^3 , and M^y is the third (co)monomer,

p for each block is independently selected such that the number average molecular weight of the copolymer is from 1,000 to 1,000,000 g/mol; and

(co)polymers of this topology comprising four or more comonomers

18/66. (Amended) The (co)polymer of Claim [37] 64, having a formula:

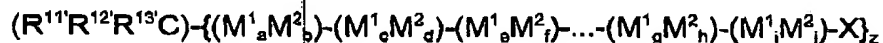


where $R^{11'}$, $R^{12'}$ and $R^{13'}$ are the same as R^{11} , R^{12} and R^{13} as previously defined, with the proviso that $R^{11'}$, $R^{12'}$ and $R^{13'}$ combined contain from 2 to 5 of the polymer chains enclosed in brackets attached thereto and the C has only one of the polymer chains enclosed in [square] brackets attached thereto, where X is as defined above;

M^1 , M^2 , M^3 , ..., M^t , p and t are as defined above,

z is from 3 to 6, and copolymers comprising a block or graft with the above composition.

19/67. (Amended) The (co)polymer of Claim [37] 64, having the formulae:



where R^{11} , R^{12} , R^{13} , and X are as previously defined, and where $R^{11'}$, $R^{12'}$ and $R^{13'}$ are the same as R^{11} , R^{12} and R^{13} with the proviso that $R^{11'}$, $R^{12'}$ and $R^{13'}$ combined have from 1 to 5 of the polymer chains enclosed in [square] brackets attached thereto and the C has only one of the polymer chains enclosed in [square] brackets attached thereto,

M^1 and M^2 are monomer units derived from different radically (co)polymerizable